

Oil, Gas & Petrochem Equipment®

WHAT'S NEW in Oil Industry Onshore & Offshore Products and Services



MIDSTREAM Refining, Petrochem, Gas Processing Equipment, Products Systems & Services Report

• Also in this issue: Followup to API's Inspection & NDT Exhibition: Pages 9-11 •



Gas, liquid metering flow computers out

FloBoss S600+ panel-mount flow computers are introduced for gas and liquid hydrocarbon metering.

They simultaneously handle up to 10 individual streams and have increased port capacity to reduce multi-stream custody transfer metering complexity and cost.

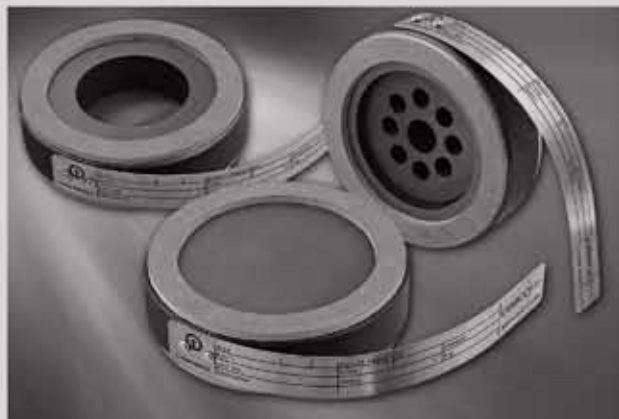
The 10 meter streams handled can be a mixture of gas and liquid. This capability allows greater potential for connecting multi-stream (multiple meter runs) metering applications to a single flow computer. It also takes advantage of flow meter benefits when it meters the whole station rather than just part of it.

FloBoss S600+ also has increased capacity for serial and Ethernet ports. This allows simpler, increased usage of ultrasonic and Coriolis meters plus also allows greater communication to chromatographs, printers, and metering supervisory systems.

Full S600+ information is free.

Emerson Process Management
12301 Research Boulevard
Austin TX 78759

1 For FREE Information Select RS#1 at ogpe.hotims.com



Newly developed graphite rupture discs unveiled

GraphiTech graphite rupture discs are newly developed in three configurations: GraphiTech Monoblock, GraphiTech Monoblock with Vacuum Support, and GraphiTech Inverted.

They're constructed using corrosive resistant, resin-impregnated graphite. Models include nonasbestos inlet and outlet gaskets. GTM is for general applications that require a rupture disc to withstand corrosive chemicals involving sulfuric or hydrochloric acid, ultrapure water, and phosgene processes. GTMV also handles the same processes that need vacuum protection which can be required on any ASME vessel. GTI inverted designs are for jobs that require high burst pressure. Full details are free.

OSECO, Box 1327, Broken Arrow OK 74013

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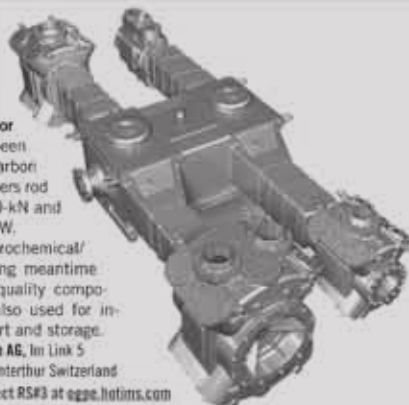
API 618 gas compressors line expanded

This process gas compressor API 618 product line has been expanded for large hydrocarbon processing plants. It now covers rod loads to 335,000 lb / 1,500-kN and up to 42,100 hp / 31,000 kW.

These refinery and petrochemical/chemical designs deliver long meantime between overhaul via high-quality components and valves. They're also used for industrial gases or gas transport and storage.

Burckhardt Compression AG, Im Link 5
Postfach 65, CH-8404 Winterthur Switzerland

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High-temp/pressure/abrasive surface ball valves

New M-series metal seat ball valves incorporate specially coated matched balls and seats to withstand -20° to +661°F, ANSI class 600 pressures, and abrasive materials in oil/gas and chemical operations. Valve ball and seat materials include stainless steel, stellite welded, and hard chrome-plated steel to function in abrasive fluids and steam. Optional tungsten carbide and chrome carbide coatings are also offered for heavy slurry environments and higher temperature applications.

M-series' oversized stem prevents deformation at higher temperatures. Its larger ball design provides tight seal to prevent leakage.

Complete valve details are yours free.

A-T Controls, 11363 Deerfield Road
Cincinnati OH 45242

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Distillation analyzers get B100 FAME feature

PMD 110 distillation analyzers have a newly added feature: **B100 Biodiesel (FAME)** application.

The new feature is declared "a significant expansion of PMD 110 capabilities while dramatically reducing operating costs." The fast-response DB6 distillation instrument is based on the micro-test method. It provides process control testing and also meets mobile and in-field application requirements, especially for fuel adulteration and fast quality screening.

The new B100 functionality for PMD 110 enables you to determine distillation characteristics of FAME products under atmospheric pressure.

PMD 110 offers an alternative to standard D1160 methods with reported significant cost reduction both in terms of operation and maintenance. And, running biodiesel distillation analysis is faster and easier, it's reported. Additional PMD 110 and B100 application information is yours free for the asking.

PAC

8824 Fallbrook Drive, Houston TX 77064

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Customizable arc flash hazard signs, labels

Specific PPE levels, company logos, graphics, text, or photos are effectively placed with a newly launched line of fully customizable arc flash hazard signs and labels.



The new hazard signs and labels are used throughout facilities: switchboards, panelboards, industrial control panels, and motor control centers to clearly mark and warn personnel of potential electric arc flash hazards. They're designed to help companies be compliant and avoid costly fines, accidents, serious injuries, or deaths.

A variety of styles in aluminum, polyethylene, fiberglass, Lexan, and pressure-sensitive vinyl are offered to clearly express safety messages. They're used to help remind of and enforce OSHA and NEC regulations to prevent accidents and fatalities.

Additional arc flash hazard signs and labels information is yours free.

Almetek Industries Incorporated

2 Jay Drive, Hackensack NJ 07640

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Fuel purifiers recertified 'green'

This manufacturer's fuel purifiers for diesel-powered vehicles, generators, and equipment have been recertified by the Green Clean Institute. It confirms the purifiers' environmental benefits.

The filter/water separator purification designs include Universal Fuel Purifier, Portable Tank Cleaning Unit, and FRS 660 Automatic Fuel Recirculating System. All use patented fuel purification technology — employing no filters or moving parts. They remove 99.9% water and up to 98% dust, dirt, or other diesel fuel contaminants. This manufacturer's fuel purifiers first received Green Clean Institute certification in 2008. Complete purifiers information is free.

RCI Technologies Incorporated

462 Barrego Court, Suite D, San Dimas CA 91773

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Clamp delivers fast, precise fit-up

Quick precise flange and fitting fit-up as well as pipe-to-pipe alignment are delivered by this new **Easy-Fit Pipe Clamp**.

The tool provides two-handed handle for positive lock-in-place plus an adjustable T-handled that slides back and forth for easy positioning in tight locations.

Easy-Fit has a smooth new roller clamping action. It also features fine adjustment screws at point-of-contact for positive grip and quick fit-up. Models also feature stainless steel alignment screws at point-of-contact, spring-loaded adjusting screws to maintain settings for repeat fit-up, and quick Hi-Lo settings.

Easy-Fit Pipe Clamps are lightweight for overhead work. They come in three 1 to 2.5, 2 to 6, and 5 to 12-in. diameter sizes. Complete pipe clamp data are free.

H&M Pipe Beveling Machine Company

311 East Third Street, Tulsa OK 74120

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Tough strike-free wrenches out

These new **strike-free wrenches** are for heavy-duty jobs where striking-face box wrenches can't be used and where cheater bars should not be used.

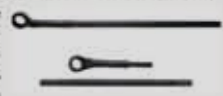
They're on the market in 2 and 3-ft handle sizes with 12-point wrench openings in 17 sizes from 1 to 2-in. diameter. The tools are specifically designed for use where false blows are not permitted in locations that include petrochemical, heavy-duty construction or industrial maintenance. They also loosen and tighten large fasteners in confined areas where there's not enough room to swing a striking tool.

Full strike-free wrenches details are yours free.

Wright Tool

Box 512, Barberton OH 44203

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Hydrocarbon turbine flowmeters

COX LoFlo turbine flowmeters are introduced as axial designs with $\pm 0.25\%$ of reading repeatability.

They are designed for hydrocarbon, water, and cryogenic applications due to 316 stainless steel construction with -6 AN (MS) end-fittings along with a proprietary Si3N4 ceramic ball bearing system. They measure flow as low as 0.006 gpm / 0.024 LPM in fuel injection production systems or in blending of costly chemical additives.

The ceramic ball bearing composition reduces friction, resists corrosion, and increases durability over a wide temperature range.

LoFlo also utilizes a precision, lightweight 17-4 helical rotor and is calibrated on primary standard equipment. Helical blade profile transfers energy more efficiently to reduce bearing wear, pressure drop, and associated costs.

When paired with its manufacturer's EC80 flow computer, LoFlo's calibration data are linearized to within $\pm 0.1\%$ of reading. This allows for precise flow measurement over the entire usable meter range. EC80 provides temperature and pressure compensation with multiple outputs for frequency and analog in engineering units.

Compact LoFlo comprises 2.21-in. face dimension. It is not position-sensitive and mounts in any piping orientation. Full flowmeter data are free.

COX Flow Measurement Division, Badger Meter Inc.

15555 North 79th Place, Scottsdale AZ 85260

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Auto blowdown improves boiler efficiency

Boiler operational efficiency in refineries or other locations are said to be improved with **Model 61 Boiler Blowdown Systems**.

They feature intelligent controller design with PID output. This modulates the blowdown control valve to allow maximum dissolved solids level regardless of load conditions. The result: "greater maintenance efficiency at lower cost," declares the maker.

Model 61 is a rack-mount, plug-and-play design. It is easy to setup and simple to operate. Its modular design includes a 316 stainless steel sediment trap and sample cooler, temperature gauge, sample control valve, plus safety relief valve.

The system's sample conditioner reduces water temperature prior to sample measurement. By cooling the sample, conductivity (TDS) measurement accuracy improves, according to the manufacturer.

This boiler blowdown system features its maker's C22 controller. Its 4 to 20 mA output can be configured as a PID control output. The proportional/integral signal is assigned to modulate the control valve to keep the surface blowdown rate uniformly close to maximum allowable dissolved solids level — regardless of load conditions. This automated blowdown approach lowers operating costs of boilers when compared to manual techniques. It minimizes blowdown rate which lowers fuel consumption and make-up water consumption.

Full Model 61 specifics are yours free on request.

Electro-Chemical Devices

1681 Ketterling, Irvine CA 92614

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Fuel bibs quick-absorb spills

Proactive, quick spill response is provided by patented **Chadd Padd fuel bibs**.

Engineered to protect equipment surfaces and the environment, these bibs quickly absorb diesel, gasoline, or oil spills — at their source. The multi-purpose, reusable mats catch and contain fuel before it becomes a problem — preventing fines and cleanup costs, declares the manufacturer.

Chadd Padds are made of the same material necessary for Spill Prevention, Control, and Countermeasure requirements.

They come in two sizes: 10x10-in. size to hold up to 4.5-oz of petroleum products. These come in rolls of 36 or six-packs. The 15x20-in. bibs absorb up to 11 oz. They come in boxes of 18. Perforated, partial holes accommodate most filler ports for refueling or adding oil.

These mats are anti-static treated. They're made from clean, soft, and absorbent polymers. They can be used multiple times for various applications including drip mat or when working with hydraulic fluid. And, they are disposable in accordance with applicable regulations.

Chadd Padd

Box 11875, Daytona Beach FL 32120

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